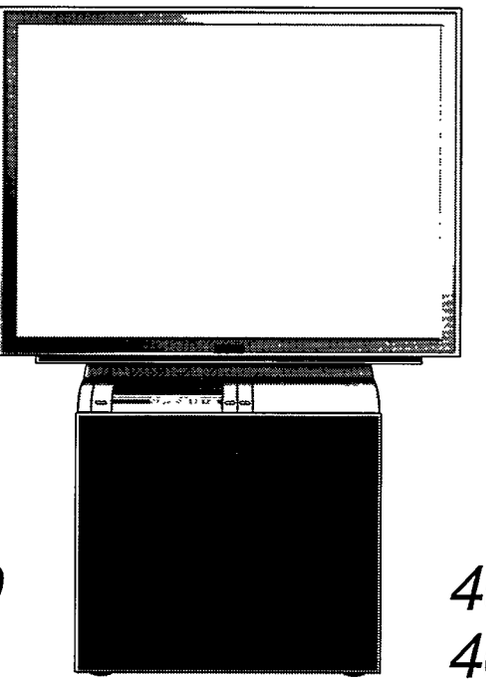
CONSUMER ELECTRONICS

PHILIPS

MATCH LINE



41GR8840
41GR8841

46GR8850
46GR8851

PROJECTION TV
PROJEKTIONS-FERNSEHER
TÉLÉPROJECTEUR
PROJECTIE TV
TV DA PROIEZIONE

(GB) **Operating instructions**

(D) **Bedienungsanleitung**

(F) **Mode d'emploi**

(NL) **Gebruiksaanwijzing**

(I) **Istruzioni per l'uso**

Write in pencil your TV station (or device) selections here:

No. TV station/device	No. TV station/device	No. TV station/device
0	20	40
1	21	41
2	22	42
3	23	43
4	24	44
5	25	45
6	26	46
7	27	47
8	28	48
9	29	49
10	30	50
11	31	51
12	32	52
13	33	53
14	34	54
15	35	55
16	36	56
17	37	57
18	38	58
19	39	59

Table of TV system frequencies

VHF BAND I

channel	frequency (MHz)
A	45.75
E2	48.25
2A	49.75
B	53.75
E3	55.25
2	55.75
3	60.50
C	61.75
E4	62.25
4	63.75

VHF BAND III

channel	frequency (MHz)
S1	105.25
S2	112.25
S3	119.25
S4	126.25
C	128.75
S5	133.25
S6	140.25
D	140.75
S7	147.25
E	152.75
S8	154.25
S9	161.25
F	164.75
S10	168.25
D	175.25
E5	175.25
5	176.00
G	176.75
E6	182.25
E	183.25
6	184.00
H	188.75
E7	189.25
F	191.25
7	192.00
E8	196.25
G	199.25

VHF BAND III

channel	frequency (MHz)
8	200.00
I	200.75
E9	203.25
H	207.25
9	208.00
E10	210.25
J	212.75
I	215.25
10	216.00
E11	217.25
J	223.25
E1A2	224.25
K	224.75
S11	231.25
L	236.75
S12	238.25
S13	245.25
M	248.25
S14	252.25
S15	259.25
N	260.75
S16	266.25
0	272.75
S17	273.25
S18	280.25
P	284.75
S19	287.25
S20	294.25
Q	296.75

UHF BAND

channel	frequency (MHz)
21	471.25
22	471.25
23	487.25
24	495.25
25	503.25
26	511.25
27	519.25
28	527.25

UHF BAND

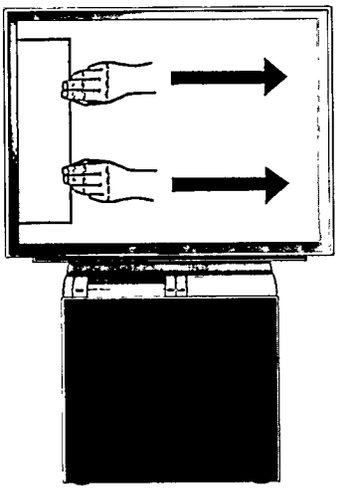
channel	frequency (MHz)
29	535.25
30	543.25
31	551.25
32	559.25
33	567.25
34	575.25
35	583.25
36	591.25
37	599.25
38	607.25
39	615.25
40	623.25
41	631.25
42	639.25
43	647.25
44	655.25
45	663.25
46	671.25
47	679.25
48	687.25
49	695.25
50	703.25
51	711.25
52	719.25
53	727.25
54	735.25
55	743.25
56	751.25
57	759.25
58	767.25
59	775.25
60	783.25
61	791.25
62	799.25
63	807.25
64	815.25
65	823.25
66	831.25
67	839.25
68	847.25
69	855.25

ENGLISH

WARNING

Before switch-on the set remove the transportation sheet:

1. Remove jewelry from hands and arms to prevent scratching the screen.
2. With both hands, grasp the bottom and top of the transportation sheet.
3. *Gently* pull the sheet towards the opposite side of the screen.



right
richtig
correct

correct
corretto

DEUTSCH

ACHTUNG

Vor dem einschalten des geräts die transportschutzfolie entfernen:

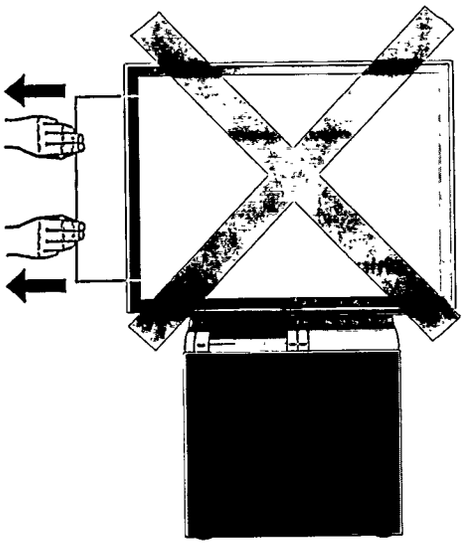
1. Schmuck ablegen, um Kratzer auf dem Bildschirm zu vermeiden.
2. Der oberen und unteren Rand der Transportschutzfolie mit beiden Händen anfassen.
3. Die Folie *vorsichtig* in die gegenüberliegende Richtung abziehen.

FRANÇAIS

AVERTISSEMENT

Avant la mise en service de l'appareil, enlevez la feuille de protection:

1. Retirez voz éventuels bijoux afin de ne pas risquer de rayer l'écran.
2. Saisissez des deux mains le haut et le bas de la feuille de protection.
3. Tirez la feuille *doucement* vers le côté opposé à l'écran.



wrong
falsch
mauvais

verkeerd
scorretto

NEDERLANDS

WAARSCHUWING

Alvorens u het apparaat inschakelt, de transportfolie verwijderen:

1. Verwijder alle sieraden van handen en armen om krassen op de folie te voorkomen.
2. Met beide handen de onder- en bovenzijde van de transportfolie beetpakken.
3. De folie *voorzichtig* naar de andere kant van het scherm trekken.

ITALIANO

AVVERTENZA

Prima de accendere l'apparecchio, rimuovere il foglio di transporto:

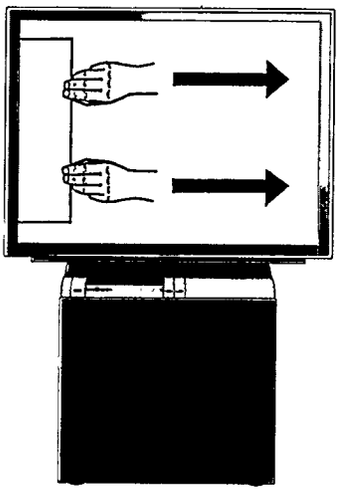
1. Togliere i gioelli dalle dita e dalle braccia per escludere ogni rischio di danneggiare lo schermo.
2. Afferrare la parte superiore ed inferiore del foglio di transporto com ambedue le mani.
3. Strappare il foglio *con cautela* in senso opposto dello schermo.

ESPAÑOL

AVISO

Antes de conectar el aparato, extraer la hoja de transporte:

1. Retirar anillos y pulseras de manos y brazos a fin de evitar dañar la pantalla.
2. Sujetar con ambas manos las partes superior e inferior de la hoja de transporte.
3. Tirar *cuidadosamente* de la hoja hacia la parte opuesta de la pantalla.



correcto
rätt
rigtigt

riktig
oikein

SVENSKA

VARNING

Innan apparaten sätts på får man ta bort transportomslaget:

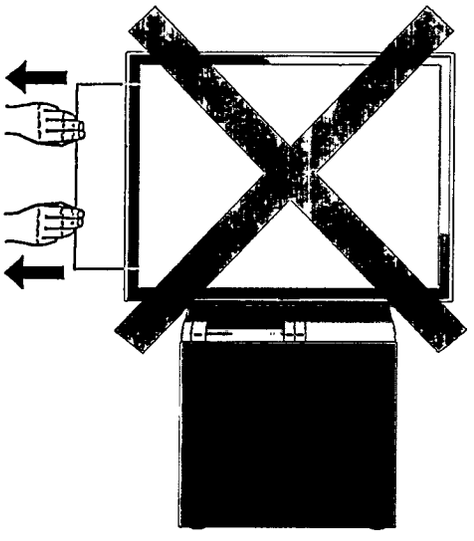
1. Ta bort smycken från armar och händer för att förhindra repor på skärmen.
2. Ta tag i transportomslaget nedtill och upptill med båda händerna.
3. Dra *försiktigt* av omslaget i motsatt riktning mot skärmen.

NORSK

ADVARSEL

Før tv apparatet slås på må transportbeskyttelsen fjernes fra skjermen:

1. Ta av smykker og ringer fra hender og armer for å unngå å skrape opp skjermen.
2. Ta tak med begge hendene øverst og nederst på transportbeskyttelsen.
3. Trekk *forsiktig* i retning av den motsatte siden på skjermen.



incorrecto
fel
forkert

galt
väärin

DANSK

ADVARSEL

Før apparatet tændes, fjernes beskyttelseshinden:

1. Fjern smykker fra hænder og arme for at undgå ridser på skærmen.
2. Tag med begge hænder fat i øverste og nederste hjørne af beskyttelseshinden.
3. Træk *forsigtigt* hinden over til skærmens modsatte side.

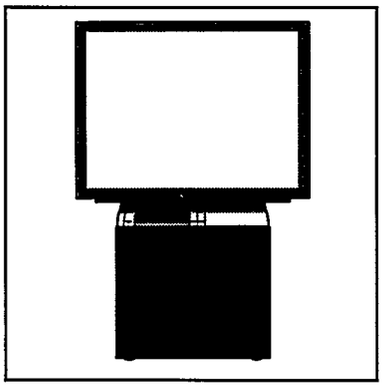
SUOMI

HUOMIO

Ennen laitteen toimintaan kytkemistä on poistettava kuljetusfolio:

1. Poista korut käsistä ja käsivarsista välttääksesi kuvaruudun naarmuutumisen.
2. Tartu molemmilla käsillä kuljetusfolion ylä ja alasivuun.
3. Vedä kuljetusfolio *varovaisesti* kuvaruudun vastakkaista sivua kohti.

Introduction



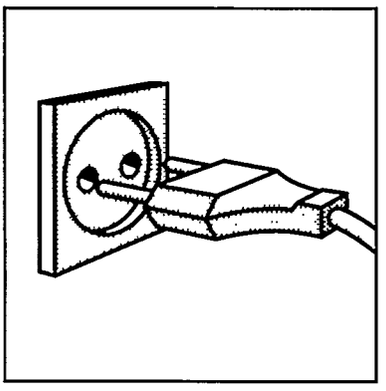
By performing the operations described in the order indicated, you will quickly learn how to operate your TV and set all its functions.

The TV can be operated with the remote control or in some cases directly via the buttons on the TV.

Operation with remote control

Operation without remote control TV

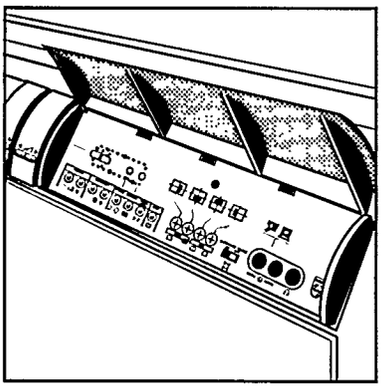
Installation Page 4



Positioning
Remote control
Connection
Switching on and off
Surround sound effect

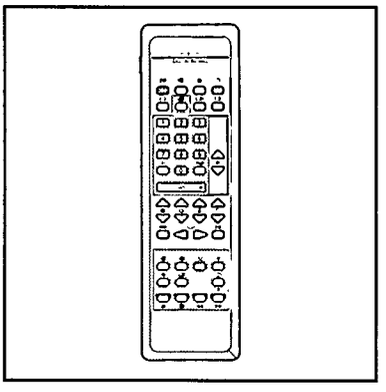
← This does not represent a UK plug and socket

Adjustment Page 5



System selection (only some models)
Storing TV stations in the memory
Convergence

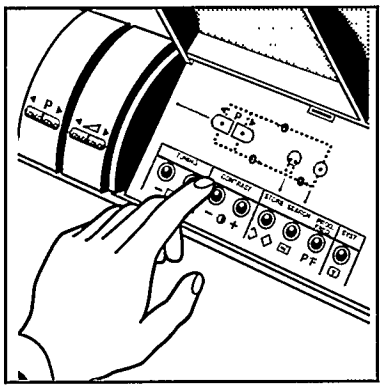
Operating with remote control Page 6



Selecting TV stations via the programme numbers
Changing picture and sound settings
Selecting standby
Switching on from standby
Selecting the sound system
Displaying picture and sound information on the screen

Operating without remote control

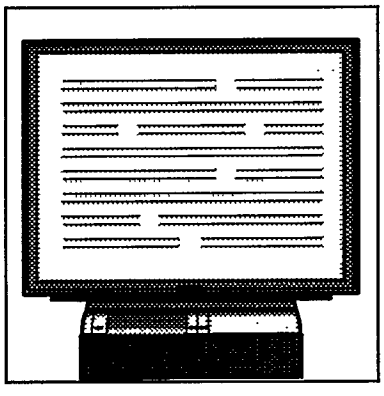
Page 8



Selecting TV stations via the programme numbers
Changing picture and sound settings
Switching on from standby
Selecting parental mode

Teletext

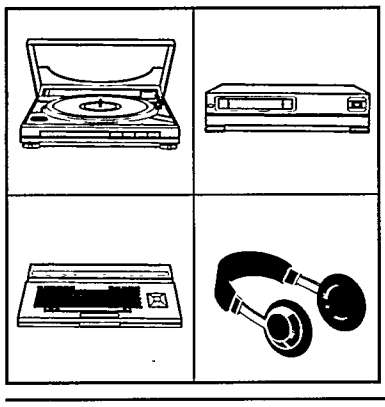
Page 8



Switching on Teletext
Page selection
Other possibilities
Top Teletext

External connection facilities

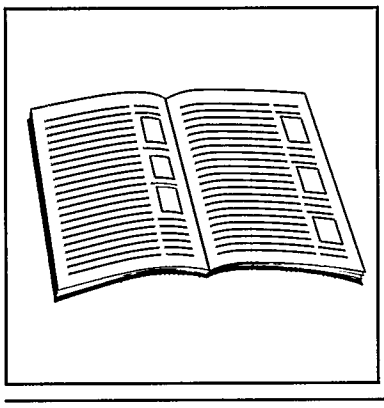
Page 10



Connecting a video recorder
Connecting other equipment
Signal selection
Connecting headphones
Connecting audio equipment

General information

Page 12



Direct storage of TV stations
Final picture adjustment
Changing personal preference settings
Cleaning the screen
What to do in the case of faults
Technical data

Information for users in the UK
(not applicable outside the UK)

Service for you

Your colour television has been designed and manufactured to the highest standards, and subject to rigorous testing. Provided it is properly operated and maintained it will perform well for many years. However, we all know that in such complex equipment components can sometimes fail.
The legal responsibility for meeting any in-guarantee service needs for your receiver rests with the dealer from whom you bought it. If your dealer has no service facilities, he can arrange for any work to be carried out by a competent third party organisation.
In any event you may expect speedy attention to restore your set to full working order without delay.

Free service for 2 years:
The dealer from whom the receiver was purchased will arrange for any defect in manufacture or material to be rectified without charge for a period of 2 years from the date of initial consumer sale provided:
- reasonable evidence is supplied that the set was purchased within 2 years prior to the date of claim
- the defect is not due to use of the set on an incorrect voltage or contrary to the Company's Operating Instructions or to accidental damage (whether in transit or otherwise); misuse; neglect; unauthorised or inexpert modification or repair.

Service after 2 years:
Continuing service after 2 years is available in the same way but the service will be chargeable.

These statements do not affect your statutory rights as a consumer.

If you have any question which your dealer cannot answer, please write to:

C.E. Consumer Relations Department
P.O. Box 298
420 London Road
Croydon CR9 3QR

All enquiries and claims can be handled more efficiently if accompanied by the Identity Card printed on the back cover of this booklet – this is provided for your reference and should be kept in a safe place.

Positioning the TV

For the best results, choose a position where light does not fall directly on the screen, and at some distance away from radiators or other sources of heat. Leave a space of at least 10 cm all around the TV for ventilation, making sure that curtains, cupboards etc. cannot obstruct the air flow through the ventilation apertures.
The TV is intended for use in a domestic environment only and should never be operated or stored in excessively hot or humid atmospheres.

General Points

Please take note of the section 'General' at the end of the English section in this booklet.

Interference
The Department of Trade and Industry operates a Radio Investigation Service to help TV licence holders improve reception of BBC and IBA programmes where these are being spoilt by interference. If your dealer cannot help, ask at a main Post Office for the booklet 'How to Improve Television and Radio Reception'.

Mains connection

Before connecting the TV to the mains, check that the mains supply voltage corresponds to the voltage printed on the type plate on the rear panel of the TV. If the mains voltage is different, consult your dealer.

Important
The wires in the mains lead are coloured in according with the following code.

BLUE = NEUTRAL
BROWN = LIVE

To fit a mains plug:

Connect the BLUE wire in the mains lead to the NEUTRAL terminal of the plug, marked 'N' or coloured black.

Connect the BROWN wire in the mains lead to the LIVE terminal of the plug, marked 'L' or coloured red.

Do not make any connection to the terminal in the plug which is marked by the letter 'E' or by the safety earth symbol ⏚ or coloured green or green-and-yellow.

If the mains plug (or adapter) contains a fuse, this should have a value of 3A. If a plug without a fuse is used, the fuse at the distribution board should not be greater than 5A.

Before replacing the plug cover, make certain that the cord grip is clamped over the sheath of the lead – not only over the two wires.

Connecting the aerial

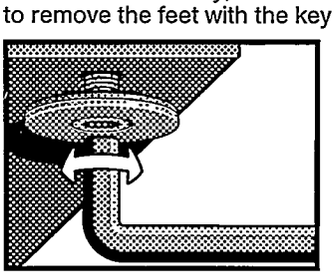
The aerial should be connected to the socket marked ⊓ at the back of the set. An inferior aerial is likely to result in a poor, perhaps unstable picture with ghost images and lack of contrast. Make-shift loft or set-top aerials are often inadequate. Your dealer will know from experience the most suitable type for your locality.
Should you wish to use the set in conjunction with other equipment, which connects to the aerial socket such as TV games, or a video camera it is recommended that these be connected via a combiner unit to avoid repeated connection and disconnection of the aerial plug.

Loop aerial (if provided)
The loop aerial packed with the set will give satisfactory reception under good signal conditions. Fit the aerial bracket and lead by pushing the peg into the square hole in the backcover until it latches in place. Attach the ends of the loop to the mounting studs on the bracket and fit and tighten the knurled nuts. Then insert the plug on the lead into the aerial socket.

Fitting the stand (if provided)

Use only the stand provided with the set, making sure that the fixings are properly tightened. A diagram showing how to assemble the stand is packed in the castor bag. **Never** use a make-shift stand, or legs fixed with woodscrews.

In some models only, in order to fit the stand it may be necessary to remove the feet with the key provided (See Illustration).

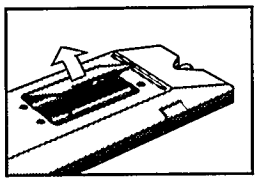


To fit the stand remove the feet on the TV using the key supplied (see illustration).

Installation

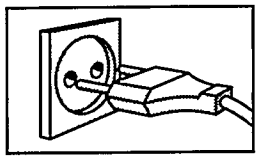
Positioning
The projection TV is mobile, making it easy to install.

N.B.: Ensure that there is always a space of 10 cm around the TV for ventilation.

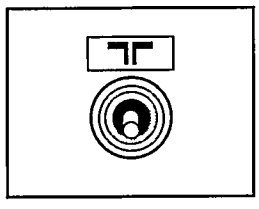


Remote control
- Remove the lid of the battery compartment on the back of the remote control.
- Insert the three batteries (type LR03 1.5 V) supplied with the remote control.
- Replace the lid.

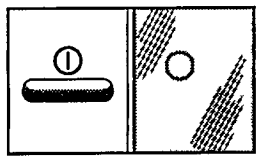
Connection
The TV is suitable for a mains voltage of 220/240 V. If the mains voltage is different, consult your dealer.
- Fit a mains plug (see page information for users in the UK).
- Place the plug of the TV in the wall socket.



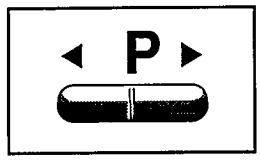
←(The picture shown does not represent a UK plug and socket.)



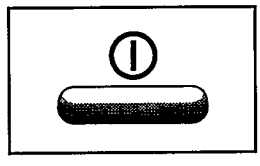
- Connect the aerial to the socket ⊓ on the TV.

Switching on and off


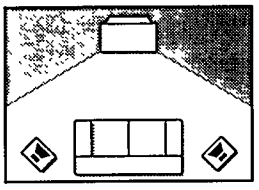
- To switch on: press button ⏻.
- The indicator will light up GREEN.



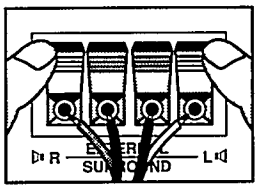
- If it lights up RED, you should press the programme button ◀ P or P ▶. The indicator will then light up GREEN.



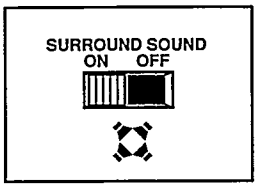
- To switch the TV off, press button ⏻. (To switch off temporarily, see section entitled 'Selecting standby'.)



Surround sound effect
The surround sound effect can be achieved by fitting 2 additional 8-ohm loudspeakers. To obtain the best result, the loudspeakers should be positioned on the left and right, slightly behind the listener, as shown.



Connecting additional loudspeakers
- Connect the loudspeakers for surround sound to the terminal socket on the rear of the set; connect the red and black terminals L and R of the aforementioned socket to the same-colour terminals of the loudspeakers on the left and right of the user.



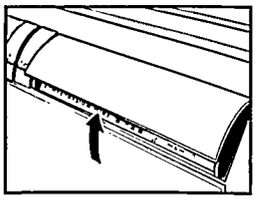
The switch for the surround sound effect on the control panel of the television must be in position ON.

N.B.: If you are not using extra loudspeakers, the surround sound switch must be in position OFF.

Important:

Care of the screen
The projection TV screen is a high technology product, and must be handled carefully. Avoid hard objects touching it, as there may cause permanent damage. If the screen requires cleaning, a damp chamois leather should be used. Do not use alcohol, spirits, ammonia or abrasive cleaning agents. The chamois leather should be moved **in vertical strokes all over the screen.**

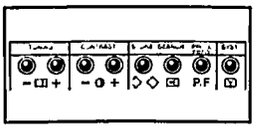
Adjustment



- Open the cover of the control panel.

TV System selection (PAL/SECAM, UK system = PAL-I, SECAM)

(Only applies to TVs which can receive several systems.)



- Press button Y to select the existing systems.

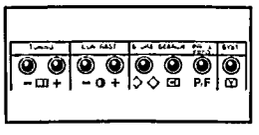
The indication P/S which appears on the screen corresponds to the PAL BG or SECAM BG system.
If PAL-I appears on the screen, this means that you have selected this system.

- The indication SECAM relates to the system SECAM L.

To change this system press button Y again until the required system appears on the screen.

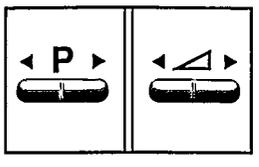
TV Storing TV stations in the memory

(With the method indicated below a maximum of 60 stations can be stored in the memory.)



1. Press button ◇ ◇ to reveal the current programme number.

2. Press button ▭ so that the TV automatically searches for and locates a station. The search can be continued by pressing this button again.



3. Select the programme number you wish to assign to the station found (0 to 59) by pressing the programme button ◀ P or P ▶. The selected number then appears on the screen.

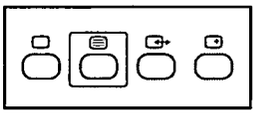
4. Press button ◇ ◇ to store this selection in the memory. The indication will disappear from the screen after several seconds.
Repeat steps 1 to 4 until you have assigned a programme number to every station found.

- Close the cover on the control panel.

N.B.: On the inside there is a chart for noting the programme numbers assigned to the stations.

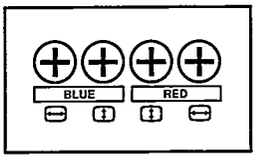
TV and Convergence

If there is a loss of picture quality due to external influences (magnetic fields), the reason may be that the convergence has been affected. This can be checked, and if necessary corrected, as follows:



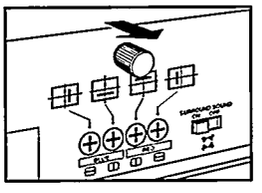
- Press button ⊡ until 'EXT 1' appears on the screen.
- Keep button ⊡ pressed down until the letter H appears in white in the centre of the screen.

If the H consists of several lines and colours, proceed as follows:

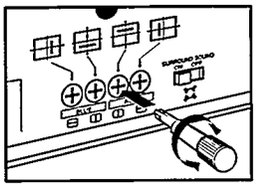


- Using the tool stored above the control knobs, turn the knobs ⇔ and ↕ until the red lines disappear.
- Turn the knobs ⇔ and ↕ until the blue lines disappear.

The result of this should be a completely white H.



- To switch off this test mode, first press button ⊡ again and then press button ▭.

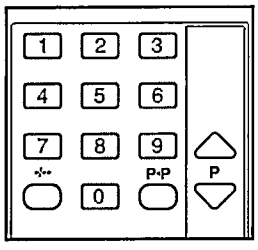


N.B.: Do not place any loudspeakers (magnets) in the vicinity of the TV as this can influence the convergence.

Operating with remote control

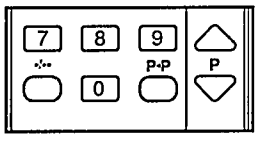
When using the remote control direct it at the TV, ensuring that there are no obstacles in the way. As soon as you press a button, the indicator light will flash, meaning that the command has been correctly received.

Selecting the TV stations via the programme numbers.

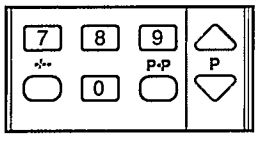


With the TV switched on:

- Select the required programme number using the digit buttons, if the number is between 0 and 9. The required station will appear on the screen with its assigned number.

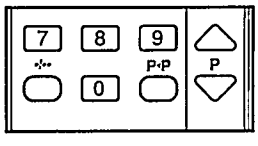


- Press button -/-- for programme numbers consisting of two digits, i.e. from 10 to 59.
- Press the two selected digits. The required station will appear on the screen with its assigned number. Repeat this procedure to select another two-digit programme number.



To select a higher or lower programme number:

- Press button △ P to select a higher number.
- Press button ▽ P to select a lower number.



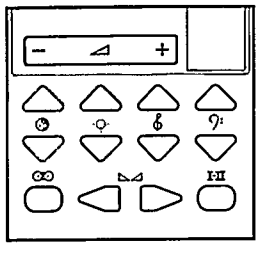
To return to the previously used programme number:

- Press **P↔P**.

Changing picture and sound settings

(When switching on the TV for the first time, the picture and sound are as set in the factory.)

Picture



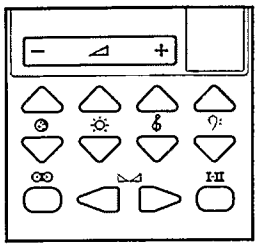
Colour saturation

- Press button △ for more saturation.
- Press button ▽ for less saturation.

Brightness

- Press button △ for more brightness,
- Press button ▽ for less brightness.

Sound



Volume

- Press button + for more volume.
- Press button — for less volume.

Treble

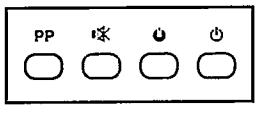
- Press button △ for more treble.
- Press button ▽ for less treble.

Bass

- Press button △ for more bass.
- Press button ▽ for less bass.

Balance

- Press button ◁ for more sound from the left-hand channel.
- Press button ▷ for more sound from the right-hand channel.



Muting

- Press button . The sound is muted and the indication appears on the screen.

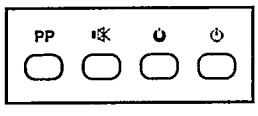
Press button to restore the sound. The indication disappears from the screen.

To return to the personal preference settings:

- Press button PP.

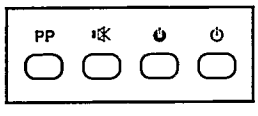
Selecting standby

When the TV is on there are three ways of putting it on standby (temporarily switching it off):



1. Directly

- Press button . The indicator lights up RED and the TV goes into the standby mode.



2. Presetting (timing)

(In this way it is possible to select a period of operation and at the end of this period the TV automatically switches to standby.)

- Press button repeatedly until the required period appears on the screen (this period can be set in units of 15 minutes, with a maximum of 90 minutes).

For the last minute of the selected period the indication '01' is on the screen to remind you that the TV is about to switch over to standby. When the preset period comes to an end, the TV switches over to standby and the indicator lights up RED.

3. Automatic

Approximately 15 minutes after the station has finished broadcasting the TV switches automatically to standby.

Switching on from standby

- Press any programme number (0 to 9)

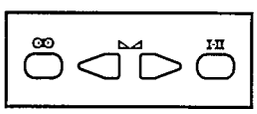
Selecting the sound system

Sound can be broadcast in either analog or digital form. All TVs can produce analog sound and some models are also equipped for digital sound (NICAM). Section B. 'NICAM broadcasts (digital sound)' is therefore only applicable to TVs which can receive digital sound.

A. Analog broadcasts (analog sound)

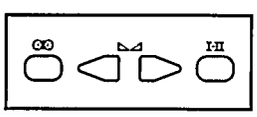
1. Stereo sound (analog)
If the word 'STEREO' appears, then the programme is only being broadcast in analog stereo sound.

2. Mono sound (analog)
2.1 If the word 'MONO' appears, then the programme is only being broadcast in analog mono.



2.2 Selecting mono sound (if the sound is being broadcast in stereo)
- Press button I-II. 'MONO' appears on the screen, you are now receiving mono sound.
- Press button I-II again to return to the original stereo sound of the broadcast. On the screen the word 'STEREO' appears again.

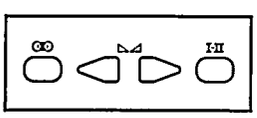
3. DUAL sound (analog)
This means that when 'DUAL I' appears on the screen the programme is being broadcast in two languages.



Selecting the second language
- Press button I-II. 'DUAL II' appears on the screen.
- Press button I-II again to select the original language of the broadcast. 'DUAL I' reappears on the screen.

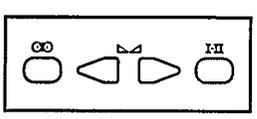
B. NICAM broadcasts (digital sound)

1. Stereo sound (digital)
If a programme is being broadcast in digital stereo, the words 'DIGITAL STEREO' appear on the screen.



2. Selecting mono sound (if the sound is being broadcast in digital stereo)
- Press button I-II. 'MONO' appears on the screen.
- Press button I-II again to return to the original stereo sound of the broadcast. On the screen the words 'DIGITAL STEREO' appear.

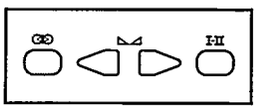
3. DUAL sound (digital)
This means that when 'DIGITAL DUAL I' appears on the screen, the programme is being broadcast in two languages.



Selecting the second language
- Press button I-II. The words 'DIGITAL DUAL II' appear on the screen.
- Press button I-II again to return to the original language of the broadcast. The words 'DIGITAL DUAL I' appear again on the screen.

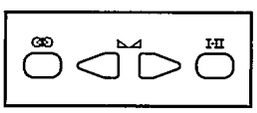
Surround sound
(Connect the extra loudspeakers beforehand.)

In the case of stereo broadcasts you can switch on the surround sound effect.
- Place switch in position ON.



The effect can now be increased by pressing button . On the screen the indication appears.
In the case of mono broadcasts the sound will only come from the loudspeakers of the TV. In order to switch on the extra loudspeakers: Press button on the remote control.

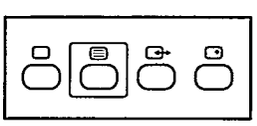
Expanded sound
Effect changing the sound quality of the broadcast.



- Press button to hear this effect. The indication appears on the screen.
- Press button again to return to normal sound. The indication disappears from the screen.

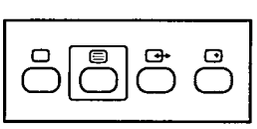
Displaying picture and sound information on the screen

(The 'indicator on the screen' allows the stored picture and sound data relating to a specific programme number or TV station to be revealed on the screen.)



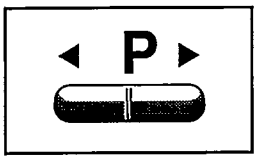
Programme or channel number
- Press button to reveal the information on the screen.
- Press button again to remove the indication.

To call up other picture and sound information onto the screen:



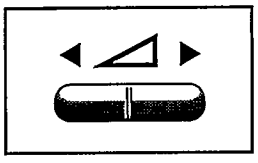
- Keep button pressed down. The programme number information mentioned in the previous pragraph will appear first. Then, on the left-hand side the indication MONO or STEREO will appear. When this happens release button . If you then press the buttons for the required picture or sound setting, a bar will appear in the colour relating to the respective setting. When the picture or sound is adjusted, the length of this bar changes accordingly.
- Press button again to remove the extra information.

Operating without remote control



TV Selecting TV stations via the programme numbers

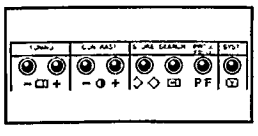
- Press programme button ◀ P to select a lower number.
- Press programme button P ▶ to select a higher number.



TV Changing picture and sound settings

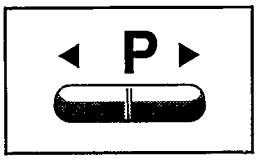
Volume control (◿)

- Press button ▶ for more volume.
- Press button ◀ for less volume.



Contrast control (◑)

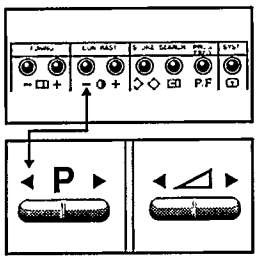
- Open the cover on the control panel.
- Press button + for more contrast.
- Press button — for less contrast.
- Close the cover on the control panel.



TV Switching on from standby

- Press button ◀ P or P ▶. The indicator light which was RED now changes to GREEN when the TV is switched on from this mode.

TV Selecting parental mode
(To prevent unauthorised use during your absence.)

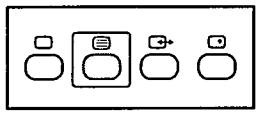


- Open the cover on the control panel.
- With the TV on, press the buttons ◀ P and —◑ at the same time.
The TV switches off and the indicator lights up RED.
- Close the cover on the control panel.
- The TV can now only be switched on by pressing one of the digit buttons on the remote control (the remote control can be stored in a safe place until you wish to use the TV again).

Teletext

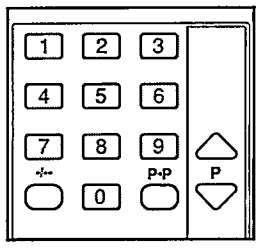
(Only applies to TVs which have Teletext, with the exception of Antiope.)

Teletext is an information system which appears on the screen. An index page gives a list of numbered pages to be selected, offering information on various topics.



Switching on Teletext

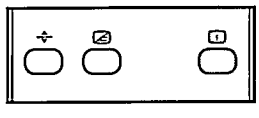
- Select a TV station which broadcasts Teletext.
- Press button ▤. The index page now appears on the screen.



Page selection

- Select the required page with the digit buttons.

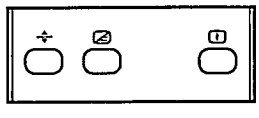
In the top left-hand corner of the screen the page number appears. The page counter searches for the number selected and the information appears on the screen.



Returning to the index

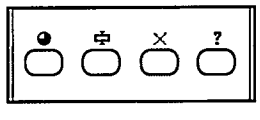
- Press button ⓘ to return directly to the index page.
- You can also select the index page with the digit buttons. It is usually page 100.

Other possibilities



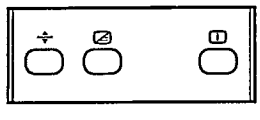
TV programme plus Teletext

- Press button ◪. The text appears on the screen over the top of the normal TV picture.
- Press button ◪ to return to the Teletext page.



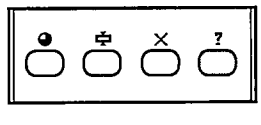
Returning temporarily from Teletext to the TV programme

- Press button ✕. The TV programme appears on the screen and in the top left-hand corner of the picture the indication ▤ appears.
- Press button ✕ again to switch back to the TV programme.



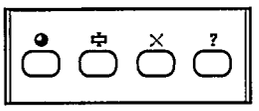
Double height

- Press button ⁜ to double the height of the top half of the page.
- Press button ⁜ to double the height of the bottom half of the page.
- Press button ⁜ again to return the whole page to normal height.

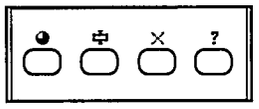


Concealed information
(Some pages contain concealed information which can be revealed, for example the solution to puzzles or games.)

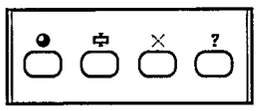
- Press button ?. The concealed information appears on the screen.
- Press button ? again to make the information disappear.



Stopping rolling pages
(If the Teletext information takes up more than a single page, the pages change automatically after a certain time.)
- Press button ⊕ to stop automatic rotation.
- Press button ⊕ again to obtain the following page.



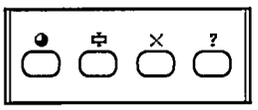
Time-planned page selection (time code)
(To call up a Teletext page at a set time)
- Select the required Teletext page.
- Press button ◕.
- Select the time when you wish to read the page by pressing four figures (for example 20 10).
- Press button ✕ to return to the TV programme you were watching.

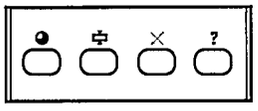


At the set time, the selected Teletext page appears on the screen over the top of the TV picture, in that case:
- Press button ✕ if you only wish to see the text,

or:
The time appears in the top left-hand corner of the picture:
- Press button ✕ to bring the Teletext page onto the screen.
- Press button ◕ to erase the stored page selection.

Subcode pages
(These are subsections of one long Teletext page which appear on the screen one after another.)
- Select the required Teletext page.
- Press button ◕.
- Select the number of the subcode page.
- If the subcode page does not appear immediately, press button ✕ to return to the TV programme. If the subcode page exists, the page number will appear in the top left-hand corner of the screen.
- Press button ✕ to reveal the subcode page.

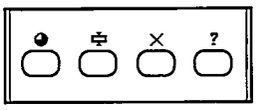




N.B.: The time code and subcode facility can only be used for the pages of specific Teletext broadcasts.

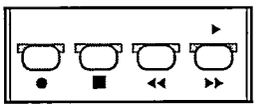
Selecting a TV programme with Teletext subtitles
(The subtitles will only be visible on the screen if the programme is actually being broadcast with Teletext subtitling. The TV programme guides will indicate whether this is the case.)
- Select the Teletext page indicated by the guide.

The programme appears with subtitles.

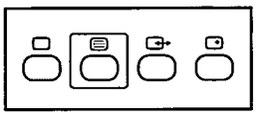


Rapid selection of Teletext pages
(Certain Teletext pages can be selected more rapidly)
- The page following the page which is on the screen can be selected by pressing the RED button (i.e. if page 100 is on the screen, page 101 will appear when the RED button is pressed).

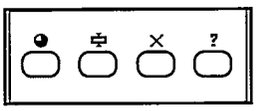
Pages can also be selected directly from special information features which are broadcast by the TV station grouped under a certain colour.



- Press button with a particular colour, RED, GREEN, YELLOW or BLUE, dependent on the information offered. The index page indicates what information is to be found under what colour.



Ending Teletext
- Press button ▢ to return to the previously selected TV programme.



Time indication
- Press button ◕. The correct time appears in the top right-hand corner of the screen (e.g. 21.00).
- Press button ◕ to make the time indication disappear.

N.B.: The time indication is only visible when the chosen TV station is broadcasting Teletext.

TOP Teletext

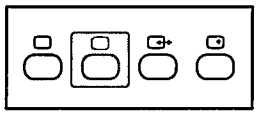
(Only applies to TVs that are able to receive the TOP Teletext system, not broadcast in the UK at present.)

This television is able to receive the TOP Teletext system. TOP Teletext allows you to select a page of information faster than with the standard Teletext system. Additionally, it allows you to "leaf through" the subject you have chosen. This means that you do not have to enter every page number continually.

The TOP Teletext system is automatically selected by your TV if the TV station is transmitting Teletext using this system. When it has been selected an information line is displayed at the bottom of your TV screen (-, subject heading, item, +).

Most of the features of the standard Teletext system are available with the TOP system; e.g. "To return to the index page", "To switch between Teletext and the TV programme", "To select double height text", etc. See the Teletext section in the "Additional Features" chapter for more information.

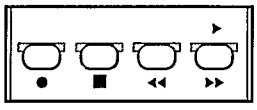
NOTE: It is not possible to "Fast select Teletext pages" as described in this manual with the TOP Teletext system.



To operate TOP Teletext

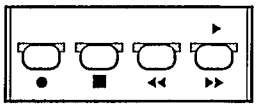
- Select a TV station which is transmitting Teletext (check you TV guide).
- Press the ▤ button. The contents are displayed.

After the TV has automatically selected TOP Teletext the operation is as follows:

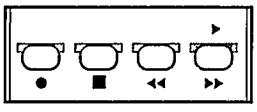


To select a page of Teletext

- Select a subject heading from the contents using the GREEN button (the next subject heading appears in green in the information line).

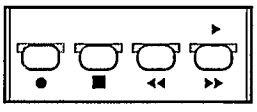


- Select an item from the subject list using the YELLOW button (the next item appears in yellow in the information line).

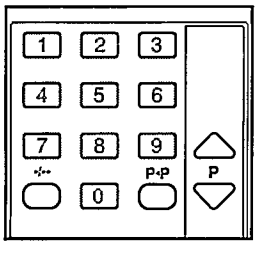


A Teletext page appears on screen.

- To select the next page within a subject press the BLUE button.



- To select the previous page within a subject press the RED button.



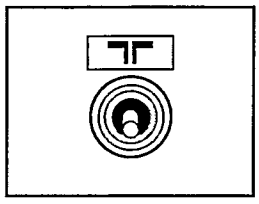
- A Teletext page can also be selected directly using the digit buttons.

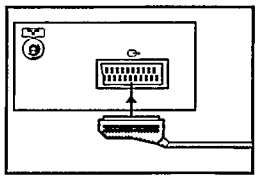
NOTE: If a selected Teletext page is not being transmitted, ??? will appear instead of the selected page number in the left-hand corner of the screen.

External connection facilities

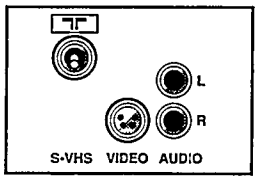
TV Connecting a video recorder
(First consult the operating manual of your video recorder.)

- Switch off the TV before you connect the video recorder.
- Connect the TV aerial cable to input ⊓ on the video recorder.
- Connect the cable supplied with the video recorder to the TV output of the video recorder and the aerial input of the TV.





- The video recorder can also be connected via the Euroconnector on the rear of the TV set, (where there is also a bracket to support the Eurocable). This connection offers the advantage that it can reproduce the stereo signals from video tapes recorded in stereo.



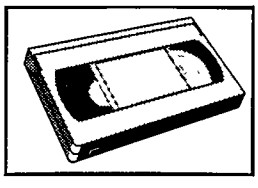
- If you have an SVHS video recorder, you can make use of the possibility of improved picture quality by connecting video and audio outputs to SVHS inputs on the TV with the respective cables supplied with the video recorder.

- To reproduce the SVHS video signal on your TV, see the section entitled 'Signal selection'.

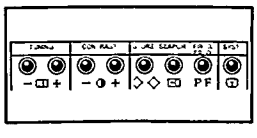
N.B.: To obtain an optimum signal it is advisable not to use the video/audio inputs and the Euroconnector at the same time.

Storing the video recorder signal
(When the video recorder has been connected to the ⊓ input, the video signal should be stored under a programme number.)

- Switch on the TV
- Open the cover on the TV control panel.

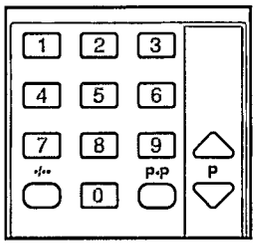


1. Place a recorded cassette in the cassette holder and press the 'PLAY' button of the video recorder.
2. Press button ◇ ◇ to reveal the programme number.



3. Press button ⏭ to automatically tune the video signal. If necessary, press the button repeatedly until the signal has been located.
4. Select a free programme number with button ◀ P or P ▶ on the TV.
5. Press button ◇ ◇ to assign the selected programme number to the video signal.
6. Press the 'STOP' button of the video recorder.

- Close the cover on the TV control panel.

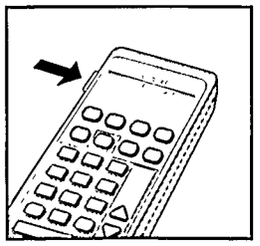


Selecting a programme number for the video signal.

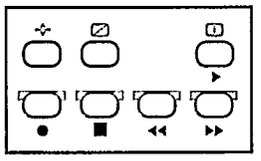
- Press the required number (the programme number assigned to the video signal).
- To return to normal TV reception, press the number of the relevant station.

Operating the video recorder with the remote control

(Only applies to our range of video recorders.)



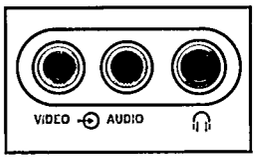
- Direct the remote control at the video recorder.
- Keep the button on the side of the remote control pressed down and at the same time select one of the following functions:



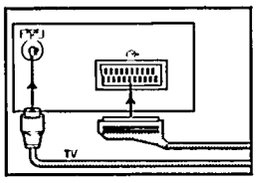
- Press the ▶ 'PLAY' button to play the cassette.
- Press the ● 'RECORD' button to make a recording.
- Press the ■ 'STOP' button to stop the tape.
- Press the ◀◀ 'REWIND' button to rewind the tape.
- Press the ▶▶ 'FAST' button to wind the tape fast forward.

TV Connecting other equipment

For example: computers, games computers, LaserVision readers (first consult the operating manual of the equipment in question).



- Switch off the TV.
- Connect the video output (CVBS) of the equipment to the video/audio input on the front of the TV (only for playing),



or:

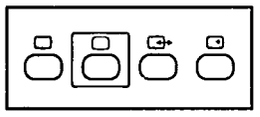
- If the equipment is supplied with a Euroconnector, connect it to the input provided for it on the rear of the TV.

or:

- Connect the equipment to the aerial input on the rear of the TV.
- Switch on the TV.

Signal selection

- Connect the TV.



If using the audio/video inputs:

- Press button ⊡→ to receive the signal from the equipment; 'EXT 1' appears on the screen.

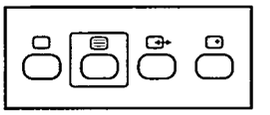
If using the Euroconnector, the signal appears in EXT 1 (CVBS) or in EXT 2 (RGB):

- Press button ⊡→. 'EXT 1' appears on the screen.

or,

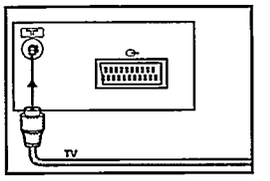
- Press button ⊡→ again. 'EXT 2' appears on the screen.

- If the signal is from an SVHS video recorder, press button ⊡→ for the third time so that 'EXT 3' appears on the screen. This will ensure optimum reproduction of the SVHS signal from the respective TV inputs.

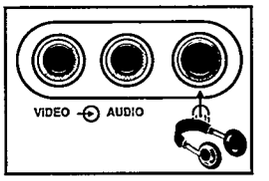


- Press button ▭ to return to the TV programme.

N.B.: With some units which are connected to the Euroconnector the external signals received are automatically transmitted directly to the television.



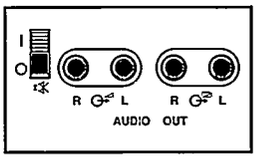
If the aerial input ⊓ is used a programme or channel number must be assigned to the external signal before selection.
(See the section entitled 'Storing the video recorder signal'.)



TV Connecting headphones

- The input 🎧 is for headphones with an impedance between 8 and 1000 ohm and a 6.3 mm jack plug.

N.B.: As soon as the headphones are connected, the loudspeakers switch off automatically.



TV and Connecting audio equipment

Audio equipment (Hi-Fi amplifier, CD player, surround-sound processor, etc.) is connected via the two pairs of outputs on the rear of the set, offering the following possibilities:

Variable output level ⊡→◿

- This output can be connected to the auxiliary (AUX) input of your audio installation, allowing you to reproduce the sound through your audio equipment.
The sound settings can be adjusted both with the remote control and directly via the TV.

Constant output level ⊡→▱

- This output offers the possibility of a better sound reproduction but can only be used in the case of sound from a TV broadcasting.
The sound must in this case be adjusted on the audio equipment itself.

In order to mute the sound from the TV loudspeakers, set the changeover switch at the rear on the unit in position 0.

If the extra loudspeakers are connected, set the surround sound switch ⌘ in position ON.

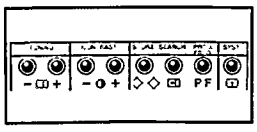
Set the changeover switch in position 1 for sound reproduction from the TV.

General information

TV and Direct storage of TV stations

(You must first know the frequency on which the station is being broadcast.)

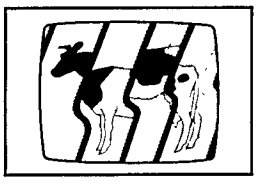
- Open the cover on the TV control panel.



1. Keep button P/F pressed down until a three-digit number followed by the letters MHz appears on the screen.
2. Select the frequency by pressing three digits on the remote control (for example, for channel E4 press the numbers 062 and for channel 69 the numbers 855).
3. Press button ◇ ◇ to reveal the programme number.
4. Select a programme number with the digit buttons on your remote control.
5. Press button ◇ ◇ to store this number.
6. Press button P/F to return to the programme number indication.

- Close the cover on the control panel.

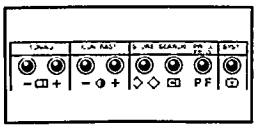
TV Final picture adjustment



(The quality of the pictures from TV stations or from the video recorder can be affected by, for example, interference from other signal sources.)

The picture quality can be improved in the following way:

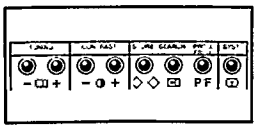
- Open the cover on the control panel.



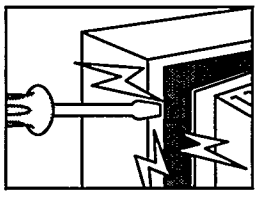
1. Press button ◇ ◇ to reveal the programme number.
2. Press button — ◫ or + ◫ and release immediately to adjust the picture.
3. Press button ◇ ◇ to store the changes.

- Close the cover on the control panel.

TV and Changing personal preference settings (PP)

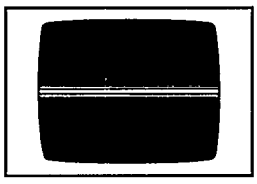


- Open the cover on the control panel.
- Press button ◇ ◇ to reveal the programme number.
- Change picture and sound settings (for example volume, contrast) with the controls on the TV or with the remote control.
- Press button ◇ ◇ on the TV to store the settings. The programme number then disappears from the screen.
- Close the cover on the control panel.



What to do in the case of faults

IMPORTANT: Do not try to repair the TV yourself;
Always consult a service technician.
If the TV is not producing the required picture or sound quality, check the following:
— aerial connection;
— position of all controls and buttons;
— is the TV station broadcasting at the moment?
— have you selected EXT 1 or EXT 2 by accident?
— have you muted the sound?



In the following cases switch the TV off immediately:
— if the indications F0, F1, F2, F3, F4, F5, F6 or F7 appear on the screen.
— if a bright white line appears across the TV screen.

(GB)	**IDENTITY CARD**	This card together with the terms of guarantee (to be provided by your dealer) forms the full certificate of guarantee for this appliance
(D)	**GERATE-KENNKARTE**	Diese Karte ist, zusammen mit den Garantiebestimmungen, die Ihr Handler Ihnen aushandigt, Ihr Garantieschein für dieses Gerat
(F)	**CARTE D'INDENTIFICATION**	Associee aux conditions de garantie (qui vous sont remises par le revendeur) cette carte constitue le certificat de garantie de cet appareil
(NL)	**INDENTIFICATIEKAART**	Deze kaart vormt samen met de garantievoorwaarden (welke door uw dealer verstrekt worden) het garantiebewijs voor dit apparaat
(I)	**CARTE D'IDENTIFICAZIONE**	Questa cartolina rappresenta insieme alle condizioni di garanzia (da consegnare dal vostro rivenditore) il documento di garanzia per questo apparecchio
(E)	**TARJETA DE INDENTIFICACIÓN**	La garantía de este aparato se compone de esta tarjeta y de las condiciones de garantía que le entregará su concesionario
(P)	**CARTÃO DE INDENTIFICAÇÃO**	Este cartão, em conjunto com as condições de garantia em vigor (explicadas pelo seu vendedor) constituem o certificado de garantia do seu aparelho
(DK)	**I D. KORT**	Dette kort udfyldt af Deres forhandler er tilstrækkelig garantidokumentation for dette apparat
(N)	**IDENTIFIKASJOSKORT**	Dette kort sammen med garantibetingelsene (som De får av forhandleren) utgjør garantibeviset for dette apparat
(S)	**IDENTIFIERINGSKORT**	Detta kort tillsammans med garantivillkoren, som Du får av rad ohandlaren, utgor ett fullstandigt garantibevis for denna produkt
(SF)	**TUNNISTUSKORTTI**	Taman laitteen takuutodistus muodostuu tasta kortista ja takuuehdoista (jotka saatte myyjalta)
(GR)	**ΔΕΛΤΙΟ ΤΑΥΤΟΤΗΤΑΣ**	Η σωστή συμπλήρωση αυτής της κάρτας εγγυήσεως που θα παραλάβετε από τον πωλητή σας μαζί με τους όρους εγγυήσεως συνιστά το πλήρες πιστοποιητικό εγγυήσεως της συσκευής σας

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